(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AMS . P52317WO	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.			
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/GB 03/04476	13/10/2003	12/10/2002		
Applicant WESTERNGECO SEISMIC HOLDIN	NGS LIMITED			
according to Article 18. A copy is being tra				
Basis of the report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).				
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:				
filed together with the international application in computer readable form.				
furnished subsequently to this Authority in written form.				
furnished subsequently to	this Authority in computer readble form.			
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the International application as filed has been furnished.				
the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished				
2. Certain claims were four	nd unsearchable (See Box I).			
3. Unity of invention is lack	king (see Box II).			
4. With regard to the title,				
x the text is approved as sui	bmitted by the applicant.			
the text has been establish	hed by this Authority to read as follows:			
5. With regard to the abstract,				
the text is approved as sub	bmitted by the applicant.			
the text has been establish	hed, according to Rule 38.2(b), by this Authorit date of mailing of this International search rep			
6. The figure of the drawings to be public	shed with the abstract is Figure No.	1		
as suggested by the applic	ant	None of the figures.		
because the applicant faile	ed to suggest a figure.			
because this figure better of	characterizes the invention.			



Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A method and apparatus for determining a position of an acoustic receiver (121-126) are disclosed. The method includes determining a first plurality of acoustic ranges from at least a first signal source position (110) and a second signal source position (115), respectively, to the acoustic receiver (121-126); ascertaining a non-acoustic constraint on the acoustic receiver's position; and determining the acoustic receiver's position from the first and second acoustic ranges and the non-acoustic constraint. The apparatus includes at least one acoustic source (110, 115); an acoustic receiver (121-126), and a computing system. The acoustic receiver is capable of receiving a plurality of acoustic signals transmitted by the at least one acoustic source from at least two signal source positions. The computing system is programmed to determine a position of the acoustic receiver from the acoustic ranges between the at least two signal source positions (110, 115) and the acoustic receiver and a non-acoustic constraint.

International Application No PCT/ 3/04476 A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01V1/38 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01V Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category * X US 4 641 287 A (NEELEY WALTER P) 1-4 3 February 1987 (1987-02-03) 8-22,26, column 1, line 61 -column 2, line 6 column 2, line 26 - line 32 column 2, line 53 -column 3, line 17 column 3, line 20 - line 25 figure 1 5-7, 23-25 Further documents are listed in the continuation of box C. X Patent family members are listed in annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "&" document member of the same patent family

Schneiderbauer, K

Date of the actual completion of the international search Date of mailing of the international search report 29 January 2004 18/02/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016

Form PCT/ISA/210 (second sheet) (July 1992)

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International Application No PCT/00003/04476

2.15		PCT) D3/04476
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	column 3, line 4 - line 8 column 3, line 14 - line 30 column 4, line 34 - line 40 figure 1	
X	FR 2 620 536 A (GEOPHYSIQUE CIE GLE) 17 March 1989 (1989-03-17)	1-3, 8-10, 13-22, 26,27
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